## SUBJECT CATEGORIES

References in this bibliography are indexed through one or more of 20 subject categories in the following table. Subject categories, their abbreviations in the index, and explanations of included topics are presented below.

**Basic Biology (BasBio):** References in this category provide an overview of the red-cockaded woodpecker, describing the species, its general biology, life history, and habitat associations.

**Breeding Biology (BreBio):** References in this category deal with one or more aspects of the breeding biology of red-cockaded woodpeckers. Topics include timing and characteristics of the reproductive cycle, clutch size, incubation, nestling growth and development, fledging, and measures of productivity.

Cavity Tree and Cluster Characteristics (CavChar): References in this category describe features of cavity trees and of cavity tree clusters. Cavity tree topics include age of cavity trees, height and orientation of cavities, resin wells, heart rot and red-heart disease, and mortality of cavity trees. Cluster topics include basal area requirements, spacing, nesting requirements, and southern pine beetle.

**Competition (Compet):** References in this category describe competitive interactions for forage and cavities between red-cockaded woodpeckers and other birds and mammals. Topics also include responses of other species to red-cockaded woodpecker habitat management, information on relationships between other pine forest taxa and red-cockaded woodpeckers and internal and external parasites.

**Economics (Econom):** References in this category deal with monetary effects of land policy and management for red-cockaded woodpeckers on private and public lands. Economic considerations for the southern pine beetle are also included in this category.

**Field Techniques (FldTech):** References in this category describe or evaluate the use of field techniques for the capture, handling, and management of red-cockaded woodpeckers. Topics include artificial cavities, augmentation, capture techniques, prescribed fires, radio transmitters and telemetry, marking and survey techniques, and translocations.

**Foraging Ecology (ForgEco):** References in this category refer to habitat use, foraging behavior, or prey selection by red-cockaded woodpeckers.

**Genetics (Genetic):** References in this category either employ genetic techniques to address questions concerning relationships among red-cockaded woodpeckers, or they address genetic concerns about woodpecker populations directly. Topics include genetic modeling, population viability, genetic variation, inbreeding, and effective population size.

**Habitat (Habitat):** References in this category describe the red-cockaded woodpeckers relationship with its habitat. Topics include nesting and foraging requirements, old-growth forests, hardwood midstory, disturbances due to fire, hurricanes, lightning and wind, red-heart disease, and insects. Topics overlap broadly with the Management subject category.

**Management (Manage):** References in this category describe or evaluate management actions affecting red-cockaded woodpeckers. Topics include timber management and silviculture, augmentation, logging, prescribed fire, regeneration, reintroduction, and relocation. Military training impacts also fall into this category.

**Miscellaneous (Misc):** References in this category include topics not readily grouped into the other subject categories, such as bibliographies and symposia proceedings.

Morphology and Taxonomy (MorpTax): References in this category contain information about the physical characteristics of red-cockaded woodpeckers, and about their taxonomic status.

**Mortality (Mortal):** References in this category refer to sources and rates of red-cockaded woodpecker mortality. Topics include natural mortality patterns, predation, and losses due to catastrophic events (e.g., hurricanes and fire).

**Policy (Policy):** References in this category deal with legal directives that affect the management and status of red-cockaded woodpeckers. Topics include private land-ownership policy, federal land management policies, and population recovery and viability requirements.

**Population Distribution (PopDist):** References in this category provide or analyze distribution data for red-cockaded woodpeckers.

**Population Size and Status (PopSiSt):** References in this category provide information on numbers and trends of red-cockaded woodpecker populations. Population level topics include demography, density, dynamics, structure, and productivity.

**Social Behavior (SocBeh):** References in this category include information on inter- and intra-group behaviors among red-cockaded woodpeckers. Topics include dispersal, helping, cooperative breeding, communication, and mating.

**Territory and Home Range (HomeRng):** References in this category provide information on size, habitat relationships, and seasonal and geographic variability in red-cockaded woodpecker territories and home ranges.

**Translocations and Artificial Cavities (TranArt):** References in this category describe or evaluate management techniques used to expand red-cockaded woodpecker populations by creating artificial cavities and moving birds within and between populations.